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May 25, 1999

WRITER'S DIRECT NUMBER: (202) 789-5525
INTERNET ADDRESS:
BRIAND@SKGF.COM

Assistant Commissioner for Patents Washington, D.C. 20231

**Box Missing Parts** 

Re: U.S. Utility Patent Application

Appl. No. 09/266,935; Filed: March 12, 1999

For: Compositions and Methods for Enhanced Synthesis of Nucleic

Acid Molecules

Inventors: LI et al.

Our Ref:

0942.4560001/RWE/BJD

Sir:

In reply to the Notice to File Missing Parts of Application--Filing Date Granted and Notice to Comply with Sequence Rules dated **March 26, 1999**, Applicants submit the following documents for appropriate action by the U.S. Patent and Trademark Office:

- 1. Fee Transmittal Form PTO/SB/17 (in duplicate);
- 2. Copy of the Notice to File Missing Parts of Application;
- 3. Combined Declaration and Power of Attorney for Patent Application, executed by Wu-Bo LI, Joel A. JESSEE, David SCHUSTER, Jiulin XIA and Gulilat GEBEYEHU;
- 4. An original executed Power of Attorney from Assignee;
- 5. Assignee 37 C.F.R. § 3.73(b) Statement with copy of Assignment attached;
- 6. Copy of the Notice to Comply with Requirements for Patent Applications
  Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures;
- 7. Reply to Notice to Comply With Sequence Listing Requirements (in duplicate);
- 8. Our Check No. <u>24495</u> for \$1,474.00 to cover:

\$760.00 Filing Fee for Patent Application (37 C.F.R. § 1.16); \$324.00 Fee for excess claims (37 C.F.R. § 1.16);

STERNE. KESSLER. GOLDSTEIN & FOX P.L.L.C.

Assistant Commissioner for Patents May 25, 1999 Page 2

\$260.00 Multiple Dependent Claim Fee (37 C.F.R. § 1.16); \$130.00 Surcharge for late filing of Declaration (37 C.F.R. § 1.16); and

9. One return post card.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono

Agent for Applicants

Registration No. 42,473

RWE/BJD/dmb Enclosures

P:\USERS\DBARNES\BRIAN\0942\456-1\nfmp.trans SKGF Rev. 9/23/98 dcw

Appended for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL

MAY 2 5 1999

FEE	TR	ANS	TIME	ΓΑΙ
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Patent fees are subject to annual revision on October These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

MAY 2.5

Complete if Known					
Application Number 09/266,935					
Filing Date	March 12, 1999				
First Named Inventor	LI et al.				
Examiner Name	To be Assigned				
Group / Art Unit	1635				
Attorney Docket Number	0942.4560001/RWE/BJD				

TOTAL AMOUNT OF DAVMENT

(\$)1,474.00

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METHOD OF PAYMENT (check one)	T	RADEMA		FEE	CALCULATION (continued)	
1.   The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:		TIONAL			e.i.bee.hiten (commute)	
Deposit Account Number 19-0036	1					
	Large Fee	Entity	Small			
Name Sterne, Kessler, Goldstein & Fox P.L.L.C.	Code	Fee (\$)	Fee Code	Fee (\$)		Fee Paid
☐ Charge Any Additional Fee ☐ Charge the Issue Fee Set Required Under 37 CFR 1.18 at the	105	130	205	6		130.00
1.16 and 1.17 Mailing of the Notice of Allowance	127	50	227	. 25	5 Surcharge - late provisional filing fee or cover shee	et .
2. 図 Payment Enclosed: 図 Check No. み4495	139	130	139	130	Non-English specification	
☐ Money Order      Other*	147	2,520	147	2,520	For filing a request for reexamination	<b>-</b>
*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.	112	920*	112	920*	Requesting publication of SIR prior to Examiner acti	on
FEE CALCULATION		1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
1	115	110	215	55	Extension for reply within first month	
1. BASIC FILING FEE	116	380	216	190		
Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid	117	870	217	435	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	118	1,360	218	680	Extension for reply within fourth month	
101 760 201 380 Utility filing fee 760.00	128	1,850	228	925	Extension for reply within fifth month	
106 310 206 155 Design filing fee	119	300	219	150	the	
107 480 207 240 Plant filing fee	120	300	220	150	Filing a brief in support of an appeal	
108 760 208 380 Reissue filing fee	121	260	221	130		
114 150 214 75 Provisional filing fee	138	1,510	138		Petition to institute a public use proceeding	
	140	110	240		Petition to revive - unavoidable	
SUBTOTAL (1) (\$) 760.00	141	1,210	241		Petition to revive - unintentional	
(b) 100.00	142	1,210	242		Utility issue fee (or reissue)	
	143 144	430	243		Design issue fee	
2. EXTRA CLAIM FEES Fee from Extra below Fee Paid	122	580 130	122		Plant issue fee	
Total Claims <u>38</u> - 20** = <u>18</u> X <u>18</u> = <u>324.00</u>		100	122	130	Petitions to the Commissioner	
ndep. Claims <u>2</u> - 3** = <u>0</u> X <u>0</u> = <u>0</u>	123	50	123	50	Petitions related to provisional applications	
Multiple Dependent Claims <u>260.00</u> = <u>260.00</u> * or number previously paid, if greater, For Reissues, see below	126	240	126	240	Submission of Information Disclosure Stmt	
arge Entity Small Entity ee Fee Fee Fee Fee Description code (\$) Code (\$)	581	40	581	40	Recording each patent assignment per propert (times number of properties)	у
03 18 203 9 Claims in excess of 20	146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
02 78 202 39 Independent claims in excess of 3					. , ,	1 11
04 260 204 130 Multiple dependant claim 08 78 209 39 **Reissue independent claims over	149	760	249		For each additional invention to be examined (37 CFR 1.129(b))	
original patent	Other fee (sp	ecify) :				
10 18 210 9 **Reissue claims in excess of 20 and	Other fee (sp	••				
- •	*Reduced by	Basic Filin	g Fee P	Paid		
(7) 22.122					SUBTOTAL (3) (\$) <u>130.00</u>	
SUBMITTED BY						

SUBMITTED BY			Complete (if applicable)		
Typed or Printed Name	Brian J. Del Buono		Reg. Number	42,473	
Signature	Date Date	May 25, 1999	Deposit Acct. User ID		

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LI et al.

Appl. No.: 09/266,935

Filed: March 12, 1999

For:

Compositions and Methods for

**Enhanced Synthesis of Nucleic Acid** 

Molecules

Art Unit: 1635

Examiner: (To be assigned)

Atty Docket: 0942.4560001/RWE/BJD

## Reply to Notice to Comply With Sequence Listing Requirements

Assistant Commissioner for Patents Washington, DC 20231

Sir:

In reply to the Notice to Comply With Sequence Requirements (Form PTO-1661) dated March 26, 1999, stating that the above-captioned application does not comply with the sequence listing requirements under 37 C.F.R. §§ 1.821-1.825, Applicants reply as follows.

Applicants respectfully submit that this Notice has been issued in error. Under 37 C.F.R. §§ 1.821-1.825, submission of a sequence listing is only required when an application discloses one or more unbranched nucleotide sequences of ten or more nucleotides, or one or more unbranched amino acid sequences of four or more amino acids. See 37 C.F.R. § 1.821(a), (c). The present application does not contain unbranched nucleotide sequences of ten or more nucleotides, nor unbranched amino acid sequences of four or more amino acids. The sequence listing requirements of 37 C.F.R. §§ 1.821-1.825 therefore are not applicable to the present application. Applicants therefore respectfully assert that the Notice to Comply With Sequence Listing Rules mailed on March 26, 1999, has been issued in error and should be withdrawn.

Appl. No.: 09/266,935

Applicants believe that a full and complete reply has been made to the Notice to Comply With Sequence Requirements. Hence, Applicants respectfully assert that the present application is in condition for immediate examination. If the Examiner believes, for any reason, that personal communication regarding this or any other matter will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

It is not believed that extensions of time are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor are hereby authorized to be charged to our Deposit Account No. 19-0036. A duplicate copy of this pleading is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono Agent for Applicants

Registration No. 42,473

Date

Date: May 27/11

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 051499.reply.seq.lst.wpd



## Certificate Under 37 C.F.R. § 3.73(b)

Applicants/Patent Owner: Wu-Bo LI et al
Application No. 09/266,935 Filed Date: March 12, 1998
Entitled: <u>COMPOSITIONS AND METHODS FOR ENHANCED SYNTHESIS OF NUCLEIC ACID MOLECULES</u>
Life Technologies, Inc.
Lite Technologies, Inc. , a corporation  (Name of Assignee)  (Type of Assignee, e.g., corporation, partnership, university, government agency, e.g., corporation)
states that it is:
1. [X] the assignee of the entire right, title, and interest, or
2. [] an assignee of an undivided part interest
in the patent application/patent identified above by virtue of either:
A. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.  OR
B. [] A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:
1. From: To: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
2. From: To:
The document was recorded in the Patent and Trademark Office at  Reel, Frame, or for which a copy thereof is attached.
3. From: To:
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
[ ] Additional documents in the chain of title are listed on a supplemental sheet.
[X] Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.
Date: 5/7/99
Name: Alan Hammond, Esq.
Title: Intellectual Property Attorney
Signature:

P:\USERS\VFLUDD\Floater\dksc\0942.4560001.cert SKGF Rev.11/10/98 mac





## UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARK Washington, D.C. 20231

	APPLICATION NUMBER	FILINGIRECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.TITLE
	09/266,935	03/12/99 Li		₩ -0942.4560
	MOTIF OUR	ER GOLDSTEIN &	0222/0326 FOX	NOT ASSIGNED
	1100 NEW YOR WASHINGTON D	K AVENUE N W C 20005-3934	PAP DATE M	1635
<b>多</b> か さ	The Asia		BID	03/26/99
<b>y</b>	NOTICE TO CONTAINING NUCL	COMPLY WITH REQUENCE	UIREMENTS FOR PATENT A AND/OR AMINO ACID SEQ	APPLICATIONS UENCE DISCLOSURES
The n	nucleotide and/or amino a rements for such a disclo	cid sequence disclosure sure as set forth in 37 CF	contained in this application does R 1.821 - 1.825 for the following	s not comply with the reason(s):
X'·	. This application fails to	comply with the requirer	nents of 37 CFR 1.821 - 1.825.	
<u> </u>	This application does required by 37 CFR 1.	not contain, as a separate 821(c).	part of the disclosure on paper of	copy, a "Sequence Listing" as
<b>3</b> .	A copy of the "Sequent 37 CFR 1.821(e):	ce Listing" in computer re	adable form/has not been submi	tted as required by
] a.	readable form, howeve	ce Listing* in computer re r, does not comply with the copy of the "Raw Seque	adable form has been submitted ne requirements of 37 CFR 1.822 noe Listing."	The content of the computer 2 and/or 1.832, as indicated/or
<b>□ 5.</b>	The computer readable unreadable as indicated be submitted as require	u on the attached CH-Di	with this application has been for skette Problem Report. A substit	und to be damaged and/or ute computer readable form must
<b>]</b> 6.	The paper copy of the " Listing" as required by	Sequence Listing* is not 37 CFR 1.821(e).	the same as the computer reada	ble form of the "Sequence
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Z	specification.	mputer readable form (C per copy of the "Sequence"	RF) copy of the "Sequence Listing," as well as an amendr	ng." nent directing its entry into the
		is required by 37 CFH 1.2	nputer readable copies are the se P21(e), 1.821(f), 1.821(g), 1.825(l	b) or 1.825(d).
	NUESTIONS REGARDING For Rules Interpretation, For CRF submission hel For Patentin software he	call (703) 308-1123. D. call (703) 308-4212	BESE REQUIREMENTS, PLEA	SE CONTACT:
		to the second		

Customer Service Center Initial Patent Examination Division (703) 308-1202

